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Examples

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blue:	Gothic
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The following are frequently confused:

$\circ, o, O, 0$; $\cup, u, U$; $\times, x, X, \kappa$; $\vee, v, \nu$; $\theta, \Theta, \phi, \varphi, \Phi, \varnothing$; ψ, Ψ ; ε, ϵ ;
 a', a^1 ; the symbol a and the indefinite article a ;

also the handwritten Roman letters:

c, C ; e, l ; I, J ; k, K ; o, O ; p, P ; s, S ; u, U ; v, V ; w, W ; x, X ; z, Z ;

Please take care to distinguish them in some way.

C. Examples

1. Special alphabets or typefaces

Script	$\mathcal{A}, \mathcal{B}, \mathcal{C}, \mathcal{D}, \mathcal{E}, \mathcal{F}, \mathcal{G}, \mathcal{H}, \mathcal{I}, \mathcal{J}, \mathcal{K}, \mathcal{L}, \mathcal{M}, \mathcal{N}, \mathcal{O}, \mathcal{P}, \mathcal{Q}, \mathcal{R}, \mathcal{S}, \mathcal{T}, \mathcal{U}, \mathcal{V}, \mathcal{W}, \mathcal{X}, \mathcal{Y}, \mathcal{Z}$ $a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z$
Sanserif	A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
Gothic	Œ, Æ, Ç, Ð, Ë, Æ, Ħ, Ì, Î, Ï, Ñ, Ò, Ó, Ô, Õ, Ö, Ø, Ù, Ú, Û, Ü, Ý, Þ, ß a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
Boldface	A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
Special Roman	Å, Æ, Ç, Ð, Ë, Æ, Ħ, Ì, Î, Ï, Ñ, Ò, Ó, Ô, Õ, Ö, Ø, Ù, Ú, Û, Ü, Ý, Þ, ß
Greek	$\Gamma, \Delta, \Theta, \Lambda, \Xi, \Pi, \Sigma, \Phi, \Psi, \Omega$ $\alpha, \beta, \gamma, \delta, \epsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \lambda, \mu, \nu, \xi, \omicron, \pi, \rho, \sigma, \tau, \upsilon, \varphi, \chi, \psi, \omega$
Greek Sanserif	A, B, Γ, Δ, E, Z, H, Θ, I, K, Λ, M, N, Ξ, O, Π, P, Σ, T, Υ, Φ, X, Ψ, Ω $\alpha, \beta, \gamma, \delta, \epsilon, \zeta, \eta, \theta, \vartheta, \iota, \kappa, \lambda, \mu, \nu, \xi, \omicron, \pi, \rho, \sigma, \tau, \upsilon, \varphi, \chi, \psi, \omega$

(Indices and superscripts are not available)

2. Notations

preferred form	instead of	preferred form	instead of
$A^*, b^{\sim}, \gamma', v, v$	$\bar{A}, \bar{b}, \bar{\gamma}, \bar{v}$	$\exp(-(x^2 + y^2)/a^2)$	$e^{-\frac{x^2 + y^2}{a^2}}$
lim sup, proj lim	$\bar{\lim}, \bar{\lim}$	$\frac{\cos(1/x)}{(a+b/x)^{1/2}}$	$\frac{\cos \frac{1}{x}}{\sqrt{a + \frac{b}{x}}}$
$f: A \rightarrow B$	$A \xrightarrow{f} B$		
$\sum_{n=1}^{\infty}$	$\sum_{n=1}^{\infty}$		

Math. Z.